

VALID

Pat. No. 05987553 - 4  
Issue Date: 07/26/04

Group ID: G                      Page 1  
User ID: Ordizon              KS: 4,902

Warning [Pages Of US References:]

page 7 has no references  
page 8 has no references

Warning [Pages Of Foreign References:]

page 1 has no references  
page 5 has no references  
page 6 has no references  
page 7 has no references  
page 8 has no references

Warning [Pages Of Other References:]

page 1 has no references

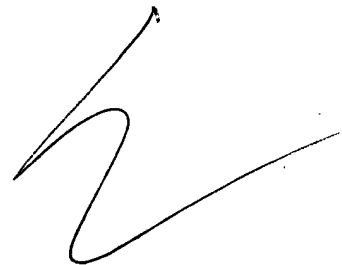
Warning [Inventor Names Versus Inventors:]

the inventors at position 1 do not match because the middle name(B.)  
from the oath does not have the same first letter as the middle  
name() from checklist

Warning [Blue Slip Sub Class Versus Sub Class:]

has SubClass from Blue Slip that does not match SubClass from Jacket

88-85

A large, stylized handwritten mark, possibly a signature or initials, consisting of a series of connected loops and strokes.

CHECK LIST

Rule 47      Continuing Data      PCT      Disclaimer

No      Yes      No      Yes

Microfiche Appendix      CPA tag

No      No

Foreign Priority Claimed: No

Acknowledged: No

Text Endorsement: 10084030.022702

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JACKET

SERIAL NUMBER      FILING DATE      CLASS      SUBCLASS

10/084,030      02/27/02      406      2      GAU  
3651

FOREIGN PRIORITY

Country      Document Number      Date

DISCLAIMER

/ /

TITLE

Vacuum loading system

MICROFICHE APPENDIX

ASSISTANT EXAMINER:

First:      Middle:      Last:

PRIMARY EXAMINER:

First:      Middle:      Last:

Joe      Dillon, Jr.

CLAIMS ALLOWED

Total      Print

28 1

DRAWINGS

Sheets   Figures   Print

13            31            Y

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BLUE SLIP INFORMATION

<u>SERIAL NUMBER</u>	<u>CLASS</u>	<u>SUBCLASS</u>	<u>GAU</u>
10/084,030	406	18	3651

INDEP. CLAIMS

1,3,10,14

TOTAL CLAIMS

28  
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BLUE SLIP (Page 1)

INTERNATIONAL CLASSIFICATION

Class   SubClass

B65G       51/16

CROSS-REFERENCES

Class   SubClass

406       22;36;163;168  
=====

TERM EXTENSION

0

FIELD OF SEARCH

Class   SubClass

406       18;22;34;36;163;168  
=====

OATH

INVENTOR NAME

First:

Middle:

Last:

Signed:

Stephen

B.

Maguire

Yes

City: Glen Mills

State: PA ZIP Code: Country: Foreign ZIP:

PCT INFO

CONTINUING DATA (Page 1)

<u>LINE</u>	<u>CODE</u>	<u>SERIAL NUMBER</u>	<u>FILING DATE</u>	<u>STATUS</u>	<u>DOCUMENT NO.</u>	<u>ISSUE DATE</u>
104	74	09/597,502	06/20/2000			/ /
105	81	08/907,787	08/08/1997	01	6,089,794	07/18/00
106	68	60/023,933	08/09/1996			/ /

REFERENCES (Page 1) SERIAL NUMBER: 10/084,030  
FORM 892

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
*6,152,656	11/2000	Curtis et al.	406	34
No issue date available.				
*6,379,086	04/2002	Goth	406	75
No issue date available.				
*6,413,020	07/2002	Davison	406	168
No issue date available.				

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
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OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

REFERENCES (Page 2) SERIAL NUMBER: 10/084,030  
FORM 1449

**U.S. REFERENCES**

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
2,161,190	06/1939	Paull	221	104
3,111,115	11/1963	Best	119	52
3,115,276	12/1963	Johanningmeier	222	49
3,209,898	10/1965	Beebe et al.	198	205
3,348,848	10/1967	Lucking et al.	277	26
3,470,994	10/1969	Schnell et al.	198	1
3,959,636	05/1976	Johnson et al.	235	151.33

**FOREIGN REFERENCES**

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
2.109.840	05/1972	FRX		
2 235 775	07/1974	FRX		
2 517 087	05/1983	FRX		
01235604	09/1989	JPX		
04201522	07/1992	JPX		

**OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)**

Sheets of 2 photographs of Mould-Tek gravimetric blender, circa 1993.

Sheets of 2 photographs of Motan gravimetric blender and feeding system with Maguire Products, Inc. controls, circa 1993.

Sheets of 3 photographs of UNA-DYN gravimetric blender, circa 1993.

Sheets of 2 photographs of Maguire Products, Inc. gravimetric blender with Conair hoppers and feeding system, circa 1993.

Sheet of 1 photograph of Hydracolor gravimetric blender, circa 1993.

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**REFERENCES (Page 3) SERIAL NUMBER: 10/084,030**  
**FORM 1449**

**U.S. REFERENCES**

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
3,985,262	10/1976	Nauta	220	349
4,026,442	05/1977	Orton	222	181
4,108,334	08/1978	Moller	222	136
4,148,100	04/1979	Moller	366	150
4,219,136	08/1980	Williams et al.	222	450
4,354,622	10/1982	Wood	222	55
4,402,436	09/1983	Hellgren	222	561

**FOREIGN REFERENCES**

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
06114834	04/1994	JPX		
0 318 170	05/1989	EPX		
0 507 689 A2	10/1992	EPX		
0 587 085 A2	03/1994	EPX		
0 743 149 A1	11/1996	EPX		

**OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)**

Advertisement entitled +37 Machinery and Systems for Extrusion is Our  
Only Business+38 +0 by Process Control Corporation, circa 1993.

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Advertisement entitled +37 Weigh Blender Delivers Unmatched  
Accuracy+38 +0 by Universal Dynamics, Inc., circa 1993.

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Advertisement entitled +37 A Full Line-up of Blender Solutions . . .  
Priced Right+38 +0 by HydReclaim, circa 1993.

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REFERENCES (Page 4) SERIAL NUMBER: 10/084,030  
FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
4,454,943	06/1984	Moller	198	657
4,475,672	10/1984	Whitehead	222	561
4,498,783	02/1985	Rudolph	366	132
4,525,071	06/1985	Horowitz et al.	366	152
4,581,704	04/1986	Mitsukawa	364	479
4,705,083	11/1987	Rossetti	141	104
4,756,348	07/1988	Moller	141	83

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
2 081 687 A	02/1982	GBX		
335 41 532 A1	05/1986	DEX		
39 23 241 A1	01/1991	DEX		
43 23 295 C1	02/1995	DEX		

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

Advertisement entitled +37 New From HydReclaim+13 Now Processors Can Economically Achieve Continuous Gravimetric Blending+38 +0 by HydReclaim, circa 1993.

-----  
Article entitled +37 Control Loading Systems+38 +0 from Plastics Technology, Oct. 1995, p. 41.

-----  
Advertisement +37 Introducing our 400 VME-II Gravimetric Blender+38 +0 by HydReclaim Corporation, circa 1993.

Four page brochure entitled +37 Gravimix Better Quality through  
Research+38 , circa 1993.

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REFERENCES (Page 5) SERIAL NUMBER: 10/084,030  
FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
4,793,711	12/1988	Ohlson	366	18
4,830,508	05/1989	Higuchi et al.	366	152
4,848,534	07/1989	Sandwall	198	535
4,850,703	07/1989	Hanaoka et al.		
5,110,521	05/1992	Moller	264	40.4
5,116,547	05/1992	Tsukahara et al.	264	1.1
5,132,897	07/1992	Allenberg	364	149
5,143,166	09/1992	Hough	177	128
5,148,943	09/1992	Moller	222	1
5,172,489	12/1992	Moller	34	32
5,225,210	07/1993	Shimoda	425	145

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
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OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

Four page brochure entitled +37 Conomix Plus Volumetric Blender+38 +0  
dated Aug. 1993.

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Four page brochure entitled +37 Conair Franklin Autocolor<sup>ΔγΔ</sup>Mezclador+38  
+0 dated Mar. 1995. <sub>Λ</sub>

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Two-sided flyer entitled +37 GB 140 Series Compact Auto Weigh



Blender+38 +0 published by Conair Franklin in the United States, Jun. 1994.

-----  
Six page brochure entitled +37 Graviblend Precise Continuous Weigh Blenders+38 +0 published by Ktron Vertech, Jun. 1991, United States.

-----  
Six page brochure entitled +37 Piovan Gravimetric Blenders MDW+38 +0 published by Piovan Sri, Oct. 1993, Venezia, Italy.

-----  
Two-sided flyer entitled +37 Gravimix, The New Gravimetric Blending Generation+38 +0 published by Ferlin, De demsvaard, Holland, circa 1993.

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REFERENCES (Page 6) SERIAL NUMBER: 10/084,030  
FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
5,252,008 ✓	10/1993	May, III et al. ✓	406	23 ✓
5,261,743 ✓	11/1993	Moller ✓	366	196 ✓
5,285,930 ✓	02/1994	Nielsen ✓	222	1 ✓
5,340,949 ✓	08/1994	Fujimura et al. ✓	177	25.18 ✓
5,341,961 ✓	08/1994	Hausam ✓	222	217 ✓
5,423,455 ✓	06/1995	Ricciardi et al. ✓	222	1 ✓ ID
5,651,401 ✓	07/1997	Cados ✓	141	129 ✓
5,767,453 ✓	06/1998	Wakou et al. ✓	177	25.18 ✓
5,780,779 ✓	07/1998	Kitamura et al. ✓	177	105 ✓
5,843,513 ✓	12/1998	Wilke et al. ✓	426	646 ✓ ID

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
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OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

Four page brochure entitled +37 When you Weigh it All Up . . . +38 +0  
published by Ferlin Trading, Holland, circa 1993.

-----  
Thirty-two page catalog entitled +37 Maguire Color Blending  
Equipment+38 +0 published by Maguire Products, Inc., 1993, United  
States.

-----  
Two page brochure entitled +37 Mould-Tek Bulk Handling Systems+38 +0  
published by Mould-Tek Industries, Inc. in Canada, circa 1993.

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Brochure entitled +37 Plastic Molders and Extruders: published by  
Maguire Products, Inc., 1995+38 .

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REFERENCES (Page 7) SERIAL NUMBER: 10/084,030  
FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
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FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
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OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

Two page two-sided color brochure entitled Maguire Model MPM  
Pre-Mixers of Maguire Products, Inc., Apr. 1997.

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REFERENCES (Page 8) SERIAL NUMBER: 10/084,030  
FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
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FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
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OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

One page two-sided color brochure entitled +37 Maguire Clear-Vu+198 +0,  
Loading System+38 +0 of Maguire Products, Inc. ✓

-----  
Three page two-sided color brochure entitled +37 Portable Drying and  
Conveying Systems: Nomad+198 +0 Series Portable Dryers+38 , AEC  
Whitlock, 1998. ✓

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Two page two-sided color brochure entitled +37 Drying Systems: WD  
Series Dehumidifying Dryers+38 +0 of AEC Whitlock, 1997. ✓

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